

10 CSR 10-3.010 Auto Exhaust Emission Controls

(1) Definitions of terms specified in this rule may be found in 10 CSR 10-6.020.

(2) Ignition System and Engine Speed

(A) All 1968 and subsequent model year gasoline powered motor vehicles shall be maintained so as to be in compliance with the following requirements:

1. The number of revolutions per minute of an engine while operating at idle speed shall be in accordance with the specifications, and determined under conditions published by the manufacturer, but in no case shall the idle speed be less than the minimum specified in such published specifications. Revolution per minute shall be determined by a tachometer or other device which shall be tested for accuracy and precision at reasonable intervals under such terms and conditions as the Executive Secretary may direct;

2. Ignition timing of an engine shall comply with the published specifications of the manufacturer as determined in accordance with procedures and conditions specified by the manufacturer;

3. All cylinders shall be firing.

(3) Crankcase Ventilation System.

(A) The positive crankcase ventilation system on all 1968 and subsequent model year gasoline powered motor vehicles, except motorcycles and motor tricycles, and all 1969 and subsequent model year gasoline powered motor vehicles, including motorcycles and motor tricycles, shall meet the following requirements:

1. The plumbing and connections shall be properly connected as installed by the manufacturer and free of obstructions and leakage;

2. There shall be a negative pressure (suction) at the inlet of the crankcase ventilation valve; and

3. The crankcase ventilation valve shall be freely operative so as to regulate the flow of gases through the system.

(4) Exhaust Emission Control System

(A) Air injection systems.

1. Exhaust emission control air injection systems on those gasoline powered motor vehicles so equipped by the manufacturer shall operate so that:

A. The air delivery hoses, connections, and air distribution manifold shall be properly connected as installed by the manufacturer and free of obstructions and leakage;

B. The air compressor drive belt tension shall be within manufacturer's specifications;

C. There is a positive air flow from the air pump to the air delivery distribution manifold;

D. The check valve prevents any reverse air flow from the air distribution manifold out through the check valve inlet; and

E. The anti-backfire valve, gulp-valve, air bypass valve, or other similar device with the same function permits the passage of air from the air pump to the exhaust manifold or manifolds, except when the carburetor throttle is closed rapidly from an open position as in deceleration.

(B) Engine modification systems.

1. All vacuum control valves, vacuum lines, mechanical linkage, electrical circuits and switches peculiar to certain engine modification systems shall be properly connected as installed on all 1968 and subsequent model year gasoline powered motor vehicles so equipped by the manufacturer.

(C) The requirements of this section (4) shall apply to all gasoline powered motor vehicles with the following exceptions:

1. Vehicles of 1967 or earlier model year;

2. Vehicles not equipped by the manufacturer with exhaust emission control air injection systems;

3. Commercial vehicles of over one thousand (1,000) pounds designed capacity; or

4. Motor vehicles with an engine displacement of less than fifty (50) cubic inches (819.35 cubic centimeters).

EPA Rulemakings

Description: The EPA approved recodification of the rule from Regulation S-I to 10 C.S.R. 10-3.010 as well as the transfer of definition of terms in Section (1) to 10 C.S.R. 10-6.020.

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Description:	The EPA approved Regulation S-I as part of the original SIP submission.
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The state's rule has a different internal numbering system and also contains an updated reference to staff director.